

Claims

1. A method for producing a continuous waterproofing flooring characterized in that it's obtainable exclusively by coupling the appropriate materials in according to the laying steps hereafter specified:
 - 1.a) a first step consisting in laying on a previously prepared foundation a layer of two-component liquid applied waterproofing membrane based on hydraulic binders.
 - 1.b) a second step consisting in the coating of the above described waterproofing membrane with a mix of polymers and additives, so as to create the visible side of the walkable and vehicle-suitable flooring.
2. A method according to claim 1, characterized in that said waterproofing membrane is composed by a mix of aggregates, additives, hydraulic binders, polymer latices and water.
3. A method according to claim 1, characterized in that said waterproofing membrane is composed by at least one hydraulic binder.
4. A method according to claim 1, characterized in that said waterproofing membrane acts as a protection for foundation.
5. A method according to claim 1, characterized in that said waterproofing membrane acts as a waterproofing agent for foundation.
6. A method according to claim 1, characterized in that said waterproofing membrane acts as an adhesive for the finishing coating.
7. A method according to claim 1, characterized in that said waterproofing membrane can be reinforced by natural or synthetic fibres predispersed in the dry component of the mix; the possible addition of this element doesn't invalidate the claimed invention.
8. A method according to claim 1, characterized in that said waterproofing

membrane can be reinforced, during laying, by a fibrous base layer or matting constituted by non-woven fabric, felt, matting or any other material fit for the purpose, that can be impregnated on site; the possible addition of this element doesn't invalidate the claimed invention.

9. A method according to claim 1, characterized in that at least one component of the coating, constituting the visible side of the walkable and vehicle-suitable flooring, is an acrylic polymer.
10. A method according to claim 1, characterized in that at least one component of the coating, constituting the visible side of the walkable and vehicle-suitable flooring, is a styrene-acrylic ester copolymer.
11. A method according to claim 1, characterized in that at least one component of the coating, constituting the visible side of the walkable and vehicle-suitable flooring, is an epoxy polymer.
12. A method according to claim 1, characterized in that at least one component of the coating, constituting the visible side of the walkable and vehicle-suitable flooring, is a methacrylic polymer.
13. A method according to claim 1, characterized in that at least one component of the coating, constituting the visible side of the walkable and vehicle-suitable flooring, is an unsaturated polyester resin.
14. A method according to claim 1, characterized in that at least one component of the coating, constituting the visible side of a walkable and vehicle-suitable flooring, is a polyurethane resin.
15. A method according to claim 1, characterized in that the coating, constituting the visible side of the walkable and vehicle-suitable flooring, can be coloured or pigmented; the possible addition of colours or pigments don't invalidate the claimed invention.

16. A method according to claim 1, characterized in that the polymer resins in the coating, constituting the visible side of the walkable and vehicle-suitable flooring, can be mixed with any kind of aggregates; the possible addition of these aggregates don't invalidate the claimed invention.

AMENDED CLAIMS

[Received by the International Bureau on 02 OCT 2003 (02.10.03) ;
original claims 1, 3 to 6, 8 and 15, amended ; original claims 9 to 14,
unchanged; original claims 2, 7 and 16, cancelled]

1. A method for producing a continuous waterproofing flooring characterized in that it's obtainable exclusively by coupling two distinct layers in according to the laying steps hereafter specified:
 - 1.a) the first layer consisting in laying, on a previously prepared foundation, a composite system formed by a prefabricated fibrous reinforcing base layer or matting impregnated by a two-component liquid applied mix based on polymer latices and hydraulic binders;
 - 1.b) the second layer consisting in the coating of the above described first layer with a mix of polymers and additives, with or without any kind of aggregates, so as to create the visible side of the walkable and vehicle-suitable flooring.
3. A method according to claim 1, characterized in that said impregnating two-component liquid applied mix of the composite system is composed by at least one polymer latex and one hydraulic binder.
4. A method according to claim 1, characterized in that the first layer has the ability to bridge the cracks in the foundation without losing its waterproofing ability.
5. A method according to claim 1, characterized in that said impregnating two-component liquid applied mix of the composite system acts as a waterproofing agent for the foundation.
6. A method according to claim 1, characterized in that said impregnating two-component liquid applied mix of the composite system makes the prefabricated fibrous reinforcing base layer or matting adhere to the foundation.
8. A method according to claim 1, characterized in that said prefabricated fibrous reinforcing base layer or matting can be made of woven-non-woven materials obtained from staple or continuous fibre, chopped strand matting,

fibreglass net or net made of any kind of synthetic fibre, felt, mono-directional or multi-directional band made of carbon fibre, fibreglass or aromatic polyamides fibre, or any other material fit for the purpose.

9. A method according to claim 1, characterized in that at least one component of the coating, constituting the visible side of the walkable and vehicle-suitable flooring, is an acrylic polymer.
10. A method according to claim 1, characterized in that at least one component of the coating, constituting the visible side of the walkable and vehicle-suitable flooring, is a styrene-acrylic ester copolymer.
11. A method according to claim 1, characterized in that at least one component of the coating, constituting the visible side of the walkable and vehicle-suitable flooring, is an epoxy polymer.
12. A method according to claim 1, characterized in that at least one component of the coating, constituting the visible side of the walkable and vehicle-suitable flooring, is a methacrylic polymer.
13. A method according to claim 1, characterized in that at least one component of the coating, constituting the visible side of the walkable and vehicle-suitable flooring, is an unsaturated polyester resin.
14. A method according to claim 1, characterized in that at least one component of the coating, constituting the visible side of a walkable and vehicle-suitable flooring, is a polyurethane resin.
15. A method according to claim 1, characterized in that the polymer resins in the coating, constituting the visible side of the walkable and vehicle-suitable flooring, can be transparent, coloured or pigmented.